

Tortilla Manufacturing: 2002

Issued December 2004

EC02-311-311830 (RV)

2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
311830, Tortilla manufacturing 2002..	271	297	12 437	305 975	10 367	20 180	227 444	961 373	550 549	1 510 974	53 202
2001..	N	N	12 040	278 351	10 072	16 760	195 510	863 115	538 365	1 387 886	39 273
2000..	N	N	12 794	279 804	10 535	19 416	193 900	744 881	508 051	1 254 688	37 207
1999..	N	N	12 692	263 322	10 057	18 570	173 247	675 572	479 670	1 156 378	44 967
1998..	N	N	11 395	227 093	8 766	16 559	150 291	682 519	494 543	1 179 217	34 549
1997..	217	234	11 303	216 704	8 913	16 227	148 400	620 838	490 570	1 113 299	49 311

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311830, Tortilla manufacturing												
United States.....	2	297	111	12 437	305 975	10 367	20 180	227 444	961 373	550 549	1 510 974	'53 202
California	2	66	41	4 714	114 268	3 838	7 647	82 457	384 376	199 041	583 294	'26 200
Colorado	—	10	5	443	12 515	376	608	9 444	43 277	21 694	64 933	'1 965
Georgia	2	7	6	883	22 334	756	1 455	17 317	86 383	44 387	130 764	'1 545
Illinois	3	11	8	659	15 870	513	990	11 388	49 912	34 793	84 611	'1 471
Texas	3	96	22	2 263	53 702	1 898	3 207	39 264	174 113	94 520	268 417	'8 896

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
311830, Tortilla manufacturing	
Companies ¹	number.. 271
All establishments ²	number.. 297
Establishments with 1 to 19 employees	number.. 186
Establishments with 20 to 99 employees	number.. 77
Establishments with 100 employees or more	number.. 34
All employees ³	number.. 12 437
Total compensation	\$1,000.. 383 532
Annual payroll	\$1,000.. 305 975
Total fringe benefits	\$1,000.. 77 557
Production workers, average for year	number.. 10 367
Production workers on March 12	number.. 10 286
Production workers on May 12	number.. 10 121
Production workers on August 12	number.. 10 520
Production workers on November 12	number.. 10 528
Production worker hours	1,000.. 20 180
Production worker wages	\$1,000.. 227 444
Total cost of materials	\$1,000.. 550 549
Materials, parts, containers, packaging, etc., used	\$1,000.. 447 054
Resales	\$1,000.. 66 790
Purchased fuels	\$1,000.. 14 120
Purchased electricity	\$1,000.. 17 007
Contract work	\$1,000.. 5 578
Quantity of electricity purchased for heat and power	1,000 kWh.. 229 836
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 1 510 974
Primary products value of shipments	\$1,000.. 1 283 394
Secondary products value of shipments	\$1,000.. 135 231
Total miscellaneous receipts	\$1,000.. 92 349
Value of resales	\$1,000.. 80 043
Contract receipts	\$1,000.. -
Other miscellaneous receipts	\$1,000.. 12 306
Primary products specialization ratio	percent.. 90
Value of primary products shipments made in all industries	\$1,000.. 1 353 462
Value of primary products shipments made in this industry	\$1,000.. 1 283 394
Value of primary products shipments made in other industries	\$1,000.. 70 068
Coverage ratio	percent.. 95
Value added	\$1,000.. 961 373
Total inventories, beginning of year	\$1,000.. 38 801
Finished goods inventories	\$1,000.. 14 349
Work-in-process inventories	\$1,000.. 1 072
Materials and supplies inventories	\$1,000.. 23 380
Total inventories, end of year	\$1,000.. 45 667
Finished goods inventories	\$1,000.. 15 377
Work-in-process inventories	\$1,000.. 992
Materials and supplies inventories	\$1,000.. 29 298
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '571 590
Total capital expenditures (new and used)	\$1,000.. '53 202
Buildings and other structures (new and used)	\$1,000.. '6 724
Machinery and equipment (new and used)	\$1,000.. '46 478
Automobiles, trucks, etc., for highway use	\$1,000.. '2 570
Computers and peripheral data processing equipment	\$1,000.. '3 168
All other expenditures for machinery and equipment	\$1,000.. '40 740
Total retirements	\$1,000.. '17 716
Gross value of depreciable assets at end of year	\$1,000.. '607 076
Depreciation charges during year	\$1,000.. '38 991
Total rental payments	\$1,000.. 27 367
Buildings and other structures	\$1,000.. 13 563
Machinery and equipment	\$1,000.. 13 804
Total other expenses ⁴	\$1,000.. 170 969
Response coverage ratio ⁵	percent.. 76
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 22 473
Communications services ⁴	\$1,000.. 2 664
Legal services ⁴	\$1,000.. 1 205
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 548
Advertising and promotional services ⁴	\$1,000.. 19 560
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 635
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 2 647
Management consulting and administrative services ⁴	\$1,000.. 1 541
Taxes and license fees ⁴	\$1,000.. 4 655
All other expenses ⁴	\$1,000.. 115 040

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
311830, Tortilla manufacturing											
All establishments	2	297	12 437	305 975	10 367	20 180	227 444	961 373	550 549	1 510 974	'53 202
Establishments with—											
1 to 4 employees	9	120	224	5 259	194	364	3 976	14 624	8 154	22 772	'472
5 to 9 employees	8	34	c	D	D	D	D	D	D	D	D
10 to 19 employees	5	32	438	9 692	360	740	6 837	24 184	14 394	38 536	'1 262
20 to 49 employees	3	49	1 640	37 350	1 257	2 850	24 981	91 452	53 714	144 763	'6 353
50 to 99 employees	1	28	2 047	43 460	1 677	3 896	31 248	110 515	86 677	197 306	'6 120
100 to 249 employees	2	21	3 001	73 385	2 353	4 779	52 086	212 608	122 331	335 684	'21 021
250 to 499 employees	3	11	3 835	105 357	3 310	5 666	78 243	329 691	181 106	510 012	'3 512
500 to 999 employees	—	2	g	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	139	384	9 217	334	637	7 019	24 444	13 729	38 167	'798

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
311830	Tortilla manufacturing	297	12 437	305 975	10 367	20 180	227 444	961 373	550 549	1 510 974	'53 202
3118300	Tortillas sold in bulk or packages, not frozen or canned	297	12 437	305 975	10 367	20 180	227 444	961 373	550 549	1 510 974	'53 202

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
311830	Tortilla manufacturing	2002.. N 1997.. N	X X	X X	1 353 462 961 273
3118300	Tortillas sold in bulk or packages, not frozen or canned	2002.. N 1997.. N	X X	X X	1 353 462 961 273
31183001	Tortillas sold in bulk or packages, not frozen or canned	2002.. N 1997.. N	X X	X X	1 182 145 926 182
3118300100	Tortillas sold in bulk or packages, not frozen or canned	2002.. 108 1997.. 141	X X	X X	1 182 145 926 182
3118300Y	Tortillas sold in bulk or packages, not frozen or canned, nsk, total	2002.. N 1997.. N	X X	X X	171 317 35 091
3118300YWW	Tortillas sold in bulk or packages, not frozen or canned, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	134 887 —
3118300YWY	Tortillas sold in bulk or packages, not frozen or canned, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	36 430 35 091

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
311830	Tortilla manufacturing		
00900001	Total materials .....2002..	X	447 054
	.....1997..	X	423 127
11115001	Field corn, whole grain mil lb..2002..	S	10 976
	.....1997..	q128.6	23 712
31121127	Corn flour mil lb..2002..	P501.2	101 203
	.....1997..	P795.4	107 839
31121101	Wheat flour 1,000 cwt..2002..	P8 275.3	103 472
	.....1997..	P9 346.3	118 236
31100019	Fats and oils, all types, purchased mil lb..2002..	P73.6	21 718
	.....1997..	P53.8	21 036
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	26 422
	.....1997..	X	20 659
001900A1	Packaging paper and plastics film, coated and laminated .....2002..	X	12 274
	.....1997..	X	14 321
001900A3	Bags (plastics, foil, and coated paper) .....2002..	X	D
	.....1997..	X	34 517
32222401	Bags (uncoated paper and multiwall) .....2002..	X	D
	.....1997..	X	557
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	37 353
	.....1997..	X	31 910
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	100 631
	.....1997..	X	50 340

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.